| Ref<br># | Hits | Search Query                                                                                                                                                               | DBs                | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------|------------------|
| S1       | 1    | "20040167775".did.                                                                                                                                                         | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:16 |
| S2       | 1    | "6587816".pn.                                                                                                                                                              | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/01 18:12 |
| S3       | 1    | "20040267521".did.                                                                                                                                                         | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/01 18:12 |
| S4       | 192  | (audio\$4 and video\$4) with speaker\$4 near3 (identif\$8 detect\$7 recogni\$8)                                                                                            | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:17 |
| S5       | 0    | (audio\$4 and video\$4) with speaker\$4 near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and mounth\$4                                                                  | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:17 |
| S6       | 28   | (audio\$4 and video\$4) with speaker\$4 near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and mouth\$4                                                                   | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:17 |
| S7       | 44   | (audio\$4 and video\$4) with speaker\$4 near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and (mouth\$4 lip\$4)                                                          | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:18 |
| S8       | 17   | (audio\$4 and video\$4) with speaker\$4 near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and (mouth\$4 lip\$4) and (neural\$4 near2 network\$4)                         | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:20 |
| S9       | 44   | (audio\$4 and (visual\$4 video\$4)) with (speaker\$4 speech\$4) near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and (mouth\$4 lip\$4) and (neural\$4 near2 network\$4) | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 06:30 |
| S10      | 3    | (US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.                                                                                                       | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 07:59 |
| S11      | 2    | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and energ\$6                                                                                     | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 07:34 |
| S12      | 44   | (audio\$4 and (visual\$4 video\$4)) with (speaker\$4 speech\$4) near3 (identif\$8 detect\$7 recogni\$8) and face\$4 and (mouth\$4 lip\$4) and (neural\$4 near2 network\$4) | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 08:01 |
| S13      | 3    | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))                                                          | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 08:02 |
| S14      | 3    | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))<br>with (speaker\$4 speech\$4)                           | US-PGPUB;<br>USPAT | OR                  | OFF     | 2007/02/06 13:35 |

|     |    |                                                                                                                                                                                                                                                                        |                    | _  |     |                  |
|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S15 | 3  | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))<br>with (speaker\$4 speech\$4) near3<br>(identif\$8 detect\$7 recogni\$8)                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:02 |
| S16 | 3  | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))<br>with (speaker\$4 speech\$4) near3<br>(identif\$8 detect\$7 recogni\$8) and<br>face\$4                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:02 |
| S17 | 3  | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))<br>with (speaker\$4 speech\$4) near3<br>(identif\$8 detect\$7 recogni\$8) and<br>face\$4 and (mouth\$2 lip lips)                                     | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:03 |
| S18 | 3  | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and (audio\$4 and (visual\$4 video\$4))<br>with (speaker\$4 speech\$4) near3<br>(identif\$8 detect\$7 recogni\$8) and<br>face\$4 and (mouth\$2 lip lips) and<br>(neural\$2 near2 network\$2) | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:55 |
| S19 | 78 | mouth with (open\$4 and close\$4) and (neural\$4 with network\$4)                                                                                                                                                                                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:56 |
| S20 | 0  | mouth with (open\$4 and close\$4) and (neural\$4 with network\$4) with tim\$4 near selay\$4                                                                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:56 |
| S21 | 5  | mouth with (open\$4 and close\$4) and (neural\$4 with network\$4) with tim\$4 near delay\$4                                                                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 08:58 |
| S22 | 29 | fac\$4 near4 detect\$6 and (neural\$4 with network\$4) with tim\$4 near delay\$4                                                                                                                                                                                       | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 09:28 |
| S23 | 1  | "20030023430".did.                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 10:57 |
| S24 | 60 | (face\$4 facial\$4) and mouth\$4 with (neural\$4 near2 network\$4)                                                                                                                                                                                                     | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 12:32 |
| S25 | 23 | (face\$4 facial\$4) and mouth\$4 with (neural\$4 near2 network\$4) and (speech\$4 speaker\$4) near4 (recogni\$9 identi\$9)                                                                                                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 12:33 |
| S26 | 23 | (face\$4 facial\$4) and mouth\$4 with<br>(neural\$4 near2 network\$4) and<br>(speech\$4 speaker\$4) near4<br>(recogni\$9 identi\$9 detect\$5)                                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:17 |

|     |         |                                                                                                                                          | -                  |    |     |                  |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S27 | 146     | (face\$4 facial\$4) and mouth\$4 with (speech\$4 speaker\$4) near4 (recogni\$9 identi\$9 detect\$5)                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 06:57 |
| S28 | 16      | (face\$4 facial\$4) and mouth\$4 near4<br>(open\$4 clos\$4) with (speech\$4<br>speaker\$4) near4 (recogni\$9 identi\$9<br>detect\$5)     | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:33 |
| S29 | 2       | (face\$4 facial\$4) and mouth\$4 near4<br>(open\$4 and clos\$4) with (speech\$4<br>speaker\$4) near4 (recogni\$9 identi\$9<br>detect\$5) | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:23 |
| S30 | 1       | "6567775".pn.                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:34 |
| S31 | 1       | "6567775".pn. and (nois\$4)                                                                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:34 |
| S32 | 3       | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and nois\$4                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 13:40 |
| S33 | 3       | ((US-20040267521-\$).did. or<br>(US-6567775-\$ or US-6219640-\$).did.)<br>and segment\$7                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 15:53 |
| S34 | 1       | "6567775".pn. and (video\$4 and audi\$4)                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 15:53 |
| S35 | 1       | "6567775".pn. and ((visual\$4 video\$4) same audi\$4)                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 15:54 |
| S36 | 1       | "6567775".pn. and ((visual\$4 video\$4) same (mouth\$2 lip\$2))                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:22 |
| S37 | 1       | "6567775".pn. and segment\$4                                                                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:24 |
| S38 | 1       | "6567775".pn. and extract\$5                                                                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:31 |
| S39 | 0       | "6567775".pn. and video\$4 near3 featur\$4                                                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:31 |
| S40 | 0       | "6567775".pn. and visual\$4 near3 featur\$4                                                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:31 |
| S41 | 2519180 | "6567775".pn. and S35 featur\$4                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:31 |
| S42 | 1       | "6567775".pn. and featur\$4                                                                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:32 |
| 543 | 1       | "6567775".pn. and featur\$4 same<br>(video\$4)                                                                                           | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:35 |
| S44 | 1       | "6567775".pn. and (speech\$4 voic\$4)                                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:40 |
| S45 | 0       | "6567775".pn. and geome\$7                                                                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:40 |

|     |     | LASI Searci                                                                                                                                                                                                                          | ,                  |    |     |                  |
|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S46 | 1   | "6567775".pn. and normal\$8                                                                                                                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:41 |
| S47 | 0   | "6567775".pn. and normal\$8 and correlat\$6                                                                                                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:42 |
| S48 | 0   | "6567775".pn. and clip\$4                                                                                                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:45 |
| S49 | 0   | "6567775".pn. and hidden\$4                                                                                                                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:46 |
| S50 | 0   | "6567775".pn. and layer\$4                                                                                                                                                                                                           | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:46 |
| S51 | 0   | "6567775".pn. and beam\$4                                                                                                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:46 |
| S52 | 1   | "6567775".pn. and acoustic\$4                                                                                                                                                                                                        | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:47 |
| S53 | 1   | "6567775".pn. and acoustic\$4 and energ\$6                                                                                                                                                                                           | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:49 |
| S54 | 0   | "6567775".pn. and mel                                                                                                                                                                                                                | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:49 |
| S55 | 0   | "6567775".pn. and mel\$4                                                                                                                                                                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:49 |
| S56 | 0   | "6567775".pn. and support\$4                                                                                                                                                                                                         | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:54 |
| S57 | 667 | (face facial) and lip\$3 and neural\$4 near network\$5                                                                                                                                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:56 |
| S58 | 125 | (audi\$5 and video\$5) and (speech\$4<br>speaker\$5) near4 (identif\$7 recogni\$8<br>detect\$5) and (face facial) and lip\$3<br>and neural\$4 near network\$5                                                                        | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:58 |
| S59 | 44  | (audi\$5 and video\$5) and (speech\$4 speaker\$5) near4 (identif\$7 recogni\$8 detect\$5) and (face facial) and lip\$3 and neural\$4 near network\$5 and "704"/\$.ccls.                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/06 16:59 |
| S60 | 10  | (US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 06:14 |
| S61 | 9   | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and synchron\$8 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 06:35 |

|     |   | LASI Searci                                                                                                                                                                                                                                                          | ,                  |      |     |                  |
|-----|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|-----|------------------|
| S62 | 1 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and (tim\$4 near4<br>delay\$4)                  | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:30 |
| S63 | 9 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and (nois\$4)                                   | US-PGPUB;<br>USPAT | OR . | OFF | 2007/02/08 06:31 |
| S64 | 5 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and (nois\$4 same<br>reduc\$6)                  | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:31 |
| S65 | 3 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and stab\$7                                     | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:36 |
| S66 | 2 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and normaliz\$4<br>and cross\$4 and correlat\$7 | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:38 |
| S67 | 2 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and layer\$4                                    | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:39 |
| S68 | 2 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and beam\$4                                     | US-PGPUB;<br>USPAT | OR   | OFF | 2007/02/08 06:44 |

|     |     |                                                                                                                                                                                                                                                                    | <del></del>        |      |       |                  |
|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|-------|------------------|
| S69 | 1   | ((US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and beam\$4                                                           | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 06:39 |
| S70 | 1   | ((US-20040122675-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and beam\$4                                                           | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 06:39 |
| S71 | 3   | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and mel\$3                                    | US-PGPUB;<br>USPAT | OR . | OFF   | 2007/02/08 06:46 |
| S72 | 0   | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and support\$4<br>and vector\$4 and macjin\$4 | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 06:47 |
| S73 | 4   | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$).did.) and support\$4<br>and vector\$4 and machin\$4 | US-PGPUB;<br>USPAT | OR   | OFF _ | 2007/02/08 06:47 |
| S74 | 144 | (face\$4 facial\$4) and mouth\$4 with<br>(speech\$4 speaker\$4) near4<br>(recogni\$9 identi\$9 detect\$5) and<br>(tim\$4 delay\$4 and neural\$4 and<br>network\$4)                                                                                                 | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 06:58 |
| S75 | 19  | (face\$4 facial\$4) and mouth\$4 with<br>(speech\$4 speaker\$4) near4<br>(recogni\$9 identi\$9 detect\$5) and<br>(tim\$4 and delay\$4 and neural\$4 and<br>network\$4)                                                                                             | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 06:58 |
| S76 | 4   | (face\$4 facial\$4) and mouth\$4 with (speech\$4 speaker\$4) near4 (recogni\$9 identi\$9 detect\$5) and (tim\$4 near2 delay\$4 with neural\$4 near4 network\$4)                                                                                                    | US-PGPUB;<br>USPAT | OR   | OFF   | 2007/02/08 07:02 |

|     |   |                                                                                                                                                                                                            | _                  |    |     |                  |
|-----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S77 | 3 | (face\$4 facial\$4) and mouth\$4 with<br>(speech\$4 speaker\$4) near4<br>(recogni\$9 identi\$9 detect\$5) and<br>(tim\$4 near2 delay\$4 with neural\$4<br>near4 network\$4) and synchron\$7                | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:03 |
| S78 | 3 | (face\$4 facial\$4) and mouth\$4 with<br>(speech\$4 speaker\$4) near4<br>(recogni\$9 identi\$9 detect\$5) and<br>(tim\$4 near2 delay\$4 with neural\$4<br>near4 network\$4) and synchron\$7 and<br>nois\$4 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:11 |
| S79 | 2 | (face\$4 facial\$4) and mouth\$4 with (speech\$4 speaker\$4) near4 (recogni\$9 identi\$9 detect\$5) and (tim\$4 near2 delay\$4 with neural\$4 near4 network\$4) and synchron\$7 and nois\$4 with reduc\$6  | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:04 |
| S80 | 1 | "5586215".pn. and layer\$4                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:18 |
| S81 | 1 | "5586215".pn. and input\$4 with layer\$4                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:19 |
| S82 | 0 | "5586215".pn. and beam\$4                                                                                                                                                                                  | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:20 |
| S83 | 0 | "5586215".pn. and vector\$4 and supprt\$4 and machin\$4                                                                                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:20 |
| S84 | 1 | "5586215".pn. and mel\$4                                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:23 |
| S85 | 1 | "5586215".pn. and speak\$5                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:24 |
| S86 | 1 | "5586215".pn. and stabl\$7                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:24 |
| S87 | 1 | "5586215".pn. and mouth\$4                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:28 |
| S88 | 1 | "5586215".pn. and correlat\$7                                                                                                                                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:31 |
| S89 | 1 | "5586215".pn. and mouth\$4 same (center\$4 middle\$4)                                                                                                                                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:36 |
| S90 | 1 | "5586215".pn. and segment\$4                                                                                                                                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:40 |
| S91 | 1 | "6219639".pn. and segment\$4                                                                                                                                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:40 |
| S92 | 1 | "6219639".pn. and segment\$4 same synchron\$7                                                                                                                                                              | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:43 |
| S93 | 0 | "6219639".pn. and segment\$4 same synchron\$7 and remov\$4                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:41 |

| S94      | 1  | "6219639".pn. and extract\$4                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:45 |
|----------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S95      | 0  | "6219639".pn. and energ\$5                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:45 |
| S96      | 0  | "6219639".pn. and time near delay\$4 near neural\$4                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:45 |
| S97      | 11 | (US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:49 |
| S98      | 11 | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.)                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:49 |
| S99      | 4  | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.)<br>and non\$4speech\$4                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:51 |
| S10<br>0 | 0  | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.)<br>and segement\$4 with (audio\$4<br>speech\$4) | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:51 |
| S10<br>1 | 7  | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.)<br>and segment\$4 with (audio\$4<br>speech\$4)  | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 07:54 |

| S10<br>2 | 2  | ((US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.)<br>and (silen\$6 quiet\$4)               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 10:23 |
|----------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S10<br>3 | 1  | "5953718".pn. and parts                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 10:31 |
| S10<br>4 | 11 | (US-20040122675-\$ or<br>US-20040267521-\$ or<br>US-20030212552-\$).did. or<br>(US-6707921-\$ or US-6567775-\$ or<br>US-6185529-\$ or US-6219640-\$ or<br>US-6219639-\$ or US-6735566-\$ or<br>US-7165029-\$ or US-5586215-\$).did.                                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:22 |
| S10<br>5 | 2  | ((US-20040122675-\$ or US-20040267521-\$ or US-20030212552-\$).did. or (US-6707921-\$ or US-6567775-\$ or US-6185529-\$ or US-6219640-\$ or US-6219639-\$ or US-6735566-\$ or US-7165029-\$ or US-5586215-\$).did.) and (time\$4 near delay\$4 with neural\$4 near network\$4) | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:35 |
| S10<br>6 | 0  | "6567775".pn. and period\$8                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:35 |
| S10<br>7 | 0  | "6567775".pn. and simulta\$8                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:35 |
| S10<br>8 | 1  | "6567775".pn.                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:43 |
| S10<br>9 | 1  | "6567775".pn. and statistic\$6                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 14:47 |
| S11<br>0 | 1  | "6567775".pn. and energ\$7                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 17:04 |
| S11<br>1 | 1  | "6567775".pn. and non\$9                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 17:29 |
| S11<br>2 | 1  | "6567775".pn. and comput\$7                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 17:29 |
| S11<br>3 | 1  | "6219639".pn. and comput\$7                                                                                                                                                                                                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 17:31 |
| S11<br>4 | 1  | "6219639".pn. and program\$4                                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 17:49 |
| S11<br>5 | 1  | "6219639".pn. and geom\$8                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:29 |
| S11<br>6 | 1  | "20050010401".did.                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:33 |

11/5/07 10:25:10 AM

|          | <u> </u> |                                                                                  | 1                  | 1  | 1   |                  |
|----------|----------|----------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S11<br>7 | 1        | "20050010412"                                                                    | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:39 |
| S11<br>8 | 1        | "20050010411".did.                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:45 |
| S11<br>9 | 1        | "20030036909".did.                                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:45 |
| S12<br>0 | 0        | "20030036909".did. and branch\$5                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/02/08 19:45 |
| S12<br>1 | 228      | energ\$4 with audio\$4 near3 fram\$4                                             | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 07:25 |
| S12<br>2 | 129      | energ\$4 with audio\$4 near3 fram\$4 and "704"/\$.ccls.                          | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 07:11 |
| S12<br>3 | 20       | energ\$4 with audio\$4 near3 fram\$4 with (divid\$5 over\$4) and "704"/\$. ccls. | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 07:11 |
| S12<br>4 | 36       | energ\$4 with audio\$4 near3 fram\$4<br>with (divid\$5 over\$4)                  | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 07:12 |
| S12<br>5 | 90       | energ\$4 with audio\$4 adj fram\$4                                               | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 07:25 |
| S12<br>6 | 43       | energ\$4 with audio\$4 adj fram\$4 and "704"/\$.ccls.                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 08:06 |
| S12<br>7 | 33       | feature\$5 and energ\$4 with audio\$4 adj fram\$4 and "704"/\$.ccls.             | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 08:07 |
| S12<br>8 | 2727078  | feature\$5 sa,e energ\$4 with audio\$4 adj fram\$4 and "704"/\$.ccls.            | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 08:07 |
| S12<br>9 | 6        | feature\$5 same energ\$4 with audio\$4 adj fram\$4 and "704"/\$.ccls.            | US-PGPUB;<br>USPAT | OR | OFF | 2007/11/05 08:07 |
| S13<br>0 | 1        | (US-20040267521-\$).did.                                                         | US-PGPUB           | OR | OFF | 2007/11/05 08:08 |
| S13<br>1 | 1        | (US-20040267521-\$).did. and (signal\$4 wav\$4)                                  | US-PGPUB           | OR | OFF | 2007/11/05 08:20 |
| S13<br>2 | 5        | 704/259.ccls.                                                                    | US-PGPUB           | OR | OFF | 2007/11/05 08:21 |
| S13<br>3 | 3604     | energ\$5 with frequenc\$4 near3 rang\$4                                          | US-PGPUB           | OR | OFF | 2007/11/05 08:22 |
| S13<br>4 | 3        | energ\$5 with frequenc\$4 near3 rang\$4 same audio\$4 adj fram\$4                | US-PGPUB           | OR | OFF | 2007/11/05 08:22 |